Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	03/08/2016 10:56 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/21/2015 09:33 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 51739, Expiration Date: 01/31/2016 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125081	0	2.63	124965	2.63
Blue	F	SSC	125000	124261	-1	4.84	125322	4.86
Blue	E	FITC	17224	16766	-3	3.57	945	9.39
Blue	D	PE	22462	21947	-3	3.20	987	8.41
Blue	B	PerCP-Cy5-5	63940	63138	-2	3.67	1667	13.44
Blue	A	PE-Cy7	72480	71513	-2	4.57	941	24.61
Red	C	APC	63778	63363	-1	2.61	3575	7.95
Red	A	APC-Cy7	97254	97495	0	2.70	1931	7.84
Violet	B	V450	10730	10459	-3	3.56	648	8.85
Violet	A	V500	42147	40872	-4	3.20	2312	6.26

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19373	3.74	586	-34	N/A	N/A	Pass
Blue	F	SSC	61826	3.82	510	-17	N/A	N/A	Pass
Blue	E	FITC	101	38.02	515	-24	0.0252	273	Pass
Blue	D	PE	204	24.55	510	-22	0.1770	145	Pass
Blue	B	PerCP-Cy5-5	203	40.87	599	-15	0.0111	47	Pass
Blue	A	PE-Cy7	70	104.33	652	-21	0.0155	28	Pass
Red	C	APC	336	26.05	578	-6	0.0224	42	Pass
Red	A	APC-Cy7	122	37.07	561	-4	0.0050	736	Pass
Violet	B	V450	66	51.80	448	-26	0.0417	2749	Pass
Violet	A	V500	149	30.45	477	-26	0.0123	1849	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.06	-30.73	0.81
Blue	20.35	16.27 - 24.41	1.25	0.99 - 1.49	0.00	0.00	1.30
Red	16.44	13.28 - 19.92	N/A	N/A	31.41	31.61	1.14

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 13002

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments